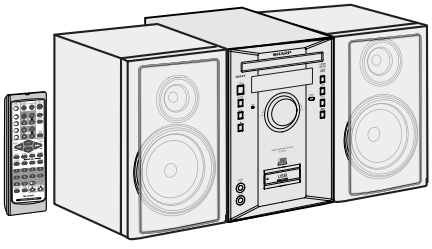
XL-UR2180H



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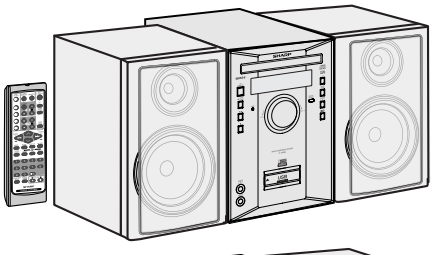

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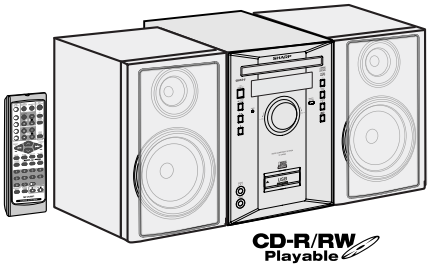

DEUTSCH	··· Siehe Seiten i bis x und D-1 bis D-42.
FRANÇAIS	··· Se reporter aux pages i à x et F-1 à F-42.
ESPAÑOL	··· Consulte las páginas i a x y S-1 a S-42.
SVENSKA	··· Hänvisa till sidorna i till x och V-1 till V-42.
ITALIANO	··· Leggere le pagine i a x e I-1 a I-42.
NEDERLANDS	··· Raadpleeg de bladzijden i t/m x en N-1 t/m N-42.
PORTUGUÊS	··· Favor consultar as páginas i a x e P-1 a P-42.
ENGLISH	··· Please refer to pages i to x and E-1 to E-42.

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- Cuando el botón ON/STAND-BY está puesto en la posición STAND-BY, todavía hay tensión dentro del aparato.
  Cuando el botón ON/STAND-BY está puesto en la posición STAND-BY, el aparato puede ponerse en funcionamiento utilizando el modo del temporizador o el controlador remoto.

  Advertencia:
  Tenga en cuenta que dentro de este aparato no hay piezas que pueda reparar. No quite nunca las tapas a menos que se esté cualificado para hacerlo. Este aparato tiene en su interior tensiones peligrosas.
  Desenchufe siempre la clavija de la red del tomacorriente antes de realizar cualquier servicio de mantenimiento y cuando no se use el aparato durante un largo período de tiempo.

- När ON/STAND-BY knappen är i läge STAND-BY, finns nätspänning i apparaten.
  Med ON/STAND-BY knappen i läge STAND-BY kan apparaten startas med timerfunktion eller fjärrkontrollen.

  Varning:
  Apparaten innehåller inga delar som kan åtgärdas av kunden. Höljet får endast öppnas av kvalificerad personal. Apparaten innehåller farliga spänningar.
  Stickkontakten ska därför dras ut från nätuttaget före reparationsarbeten och bör dras ut om apparaten inte ska användas på mycket länge.

- Quando il tasto ON/STAND-BY si trova in posizione STAND-BY, all'interno dell'apparecchio c'è ancora la corrente.
  Se il tasto ON/STAND-BY si trova nella posizione STAND-BY, l'unità può essere accesa con il modo timer o con il telecomando.

  Avvertenza:
  L'apparecchio non contiene parti riparabili dall'utente.
  Non togliere mai i coperchi, a meno di non essere qualificati per farlo. All'interno dell'apparecchio ci sono tensioni pericolose, per cui si deve sempre staccare la spina del cavo d'alimentazione dalla presa di corrente prima di qualsiasi intervento di manutenzione e quando non si usa l'apparecchio per un lungo periodo di tempo.

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PŘED SEJMUTÍM KRYTU NUTNO VYJMOUT VIDLICI ZE SÍŤOVÉ ZÁSUVKY.

PRED ZLOŽENÍM KRYTU JE NUTNÉ ODPOJIŤ PRÍSTROJ ZO SIETE.

DENNA APPARAT ÄR ANSLUTEN TILL 230 V VÄXELSTRÖM NÄR STICKPROPPEN ÄR INSKJUTEN I VÄGGUTTAGET. FÖR ATT FULLSTÄNDIGT KOPPLA IFRÅN APPARATEN, V.G. DRAG UT STICKPROPPEN.

- Audio-visuelles Material kann Urheberrechte umfassen, die ohne Genehmigung des Eigentümers dieser Urheberrechte nicht aufgenommen werden dürfen. Siehe die entsprechenden nationalen Gesetze.
- Le matériel audio-visuel peut comporter des oeuvres faisant l'objet de droits d'auteur qui ne peuvent être enregistrées sans l'autorisation du possesseur du droit d'auteur, veuillez vous référer aux réglementations nationales en vigueur.
- El material audiovisual puede consistir en trabajos que tengan derechos de autor y que no deben grabarse sin la autorización del poseedor de dichos derechos de autor. Sírvase consultar las leyes aplicables en su país.
- Audiovisuellt material kan innehålla upphovsrättsarbete som inte skall mångfaldigas utan tillstånd av copyrightinnehavaren. Se den tillämpliga lagen i ditt land.
- Il materiale audio-visivo che fosse soggetto a copyright non può essere registrato senza l'autorizzazione del possessore del copyright. Si prega di attenersi alle leggi in vigore sul territorio nazionale.
- Audio-visueel materiaal kan worden beschermd door auteursrechten, in welk geval het niet mag worden opgenomen zonder de toestemming van de auteursrechthouder. Zie voor nadere informatie de betreffende wetten in het land van gebruik.
- O material audiovisual pode consistir de trabalhos de direitos autorias que não devem ser gravados sem autorização do proprietário dos direitos. Favor consultar as leis vigentes em seu país.
- Audio-visual material may consist of copyrighted works which must not be recorded without the authority of the owner of the copyright. Please refer to relevant law in your country.

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- **Advarsel:**
  Til at forbygge ild og stød risiko, lad vaere med at undsaette denne indretning for drypning eller overstaenkning. Der må ikke anbringes nogen genstande fyldt med vand, som for eksempel vaser, på dette apparat.
- **Advarsel:**
  For å unngå brann eller kortslutning, utsett ikke produktet for vann eller fuktighet. Gjenstander som inneholder vaeske, feks. en blomstervase, må ikke plasseres oppå apparatet.
- **Varoitus:**
  Älä vie laitetta sateeseen tai kosteisiin tiloihin. Jos laite on kostunut, anna sen kuivua ennen kuin käytät sitä verkkovirralla. Nestettä sisältäviä astioita kuten esim. kukkamaljakoita ei saa asettaa laitteen päälle.

PŘÍSTROJ NEVYSTAVUJTE KAPAJÍCÍ NEBO STŘÍKAJÍCÍ VODĚ.

PRÍSTROJ NEVYSTAVUJTE KVAPKAJÚCEJ ALEBO STRIEKAJÚCEJ VODE.

Urządzenie należy chronić przed zalaniem i wilgocią.

- Dieses Produkt ist ein Laserprodukt der Klasse 1.
- Ce produit est classifié comme étant un LASER DE CLASSE 1.
- Este producto está clasificado como un PRODUCTO LÁSER DE CLASE 1.
- Denna produkt klassificeras som KLASS 1 LASERPRODUKT.
- Questo prodotto è classificato come CLASS 1 LASER PRODUCT.
- Dit product is geclassificeerd als een KLASSE 1 LASER PRODUCT.
- This product is classified as a CLASS 1 LASER PRODUCT.

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- **ATTENZIONE**
  Questo prodotto contiene un dispositivo laser a bassa potenza. Per motivi di sicurezza non rimuovere la copertura né provare a toccare le parti interne. Per tutte le riparazioni rivolgersi a personale tecnico qualificato.

- **LET OP**
  Dit toestel bevat laserapparatuur van laag vermogen. Verwijder beslist geen afdekkingen en probeer geen toegang tot het interieur van het toestel te krijgen zodat veiligheid gewaarborgd blifjt. Laat onderhoud en reparatie over aan erkend personeel.

- **CUIDADO**
  Este produto contérm um dispositivo laser de baxia intensidade. Para contínua segurança, não remover tampa alguma nem tentar obter acesso ao interior deste produto. Todo o serviço deve ser realizado por técnicos qualificados.

- **CAUTION**
  This product contains a low power laser device. To ensure continued safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.

VÝSTRAHA: VÝROBEK JE VYBAVEN LASEREM. PŘI NESPRÁVNÉ MANIPULACI S PŘÍSTROJEM V ROZPORU S TÍMTO NÁVODEM MŮŽE DOJÍT K NEBEZPEČNÉMU OZÁŘENÍ. NEOTVÍREJTE A NESNÍMEJTE PROTO ŽÁDNÉ KRYTY A PŘÍSTROJ NEOPRAVUJTE. OPRAVU A SERVIS SVĚŘTE ODBORNÉMU SERVISU.

VÝSTRAHA: VÝROBOK JE VYBAVENÝ LASEROM. PRI NESPRÁVNOM MANIPULOVANÍ S PRÍSTROJOM V ROZPORE S TÝMTO NÁVODOM MÔŽE DÔJSŤ K NEBEZPEČNÉMU OŽIARENIU. NEODKRÝVAJTE PRETO ŽIADNE KRYTY A PRÍSTROJ NEOPRAVUJTE. OPRAVU A SERVIS PRENECHAJTE ODBORNÉMU SERVISU.

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Informations sur la mise au rebut correcte

Attention : votre produit comporte ce symbole. Il signifie que les produits électriques et électroniques usagés ne doivent pas être mélangés avec les déchets ménagers généraux. Un système de collecte séparé est prévu pour ces produits.

A. Informations sur la mise au rebut à l'intention des utilisateurs privés (ménages)

1. Au sein de l'Union européenne

Attention : si vous souhaitez mettre cet appareil au rebut, ne le jetez pas dans une poubelle ordinaire!
Les appareils électriques et électroniques usagés doivent être traités séparément et conformément aux lois en vigueur en matière de traitement, de récupération et de recyclage adéquats de ces appareils.
Suite à la mise en oeuvre de ces dispositions dans les Etats membres, les ménages résidant au sein de l'Union européenne peuvent désormais ramener gratuitement* leurs appareils électriques et électroniques usagés sur des sites de collecte désignés.
Dans certains pays*, votre détaillant reprendra également gratuitement votre ancien produit si vous achetez un produit neuf similaire.
*) Veuillez contacter votre administration locale pour plus de renseignements.
Si votre appareil électrique ou électronique usagé comporte des piles ou des accumulateurs, veuillez les mettre séparément et préalablement au rebut conformément à la législation locale en vigueur.
En veillant à la mise au rebut correcte de ce produit, vous contribuerez à assurer le traitement, la récupération et le recyclage nécessaires de ces déchets, et préviendrez ainsi les effets néfastes potentiels de leur mauvaise gestion sur l'environnement et la santé humaine.

2. Pays hors de l'Union européenne

Si vous souhaitez mettre ce produit au rebut, veuillez contacter votre administration locale qui vous renseignera sur la méthode d'élimination correcte de cet appareil.
Suisse : les équipements électriques ou électroniques usagés peuvent être ramenés gratuitement au détaillant, même si vous n'achetez pas un nouvel appareil. Pour obtenir la liste des autres sites de collecte, veuillez vous reporter à la page d'accueil du site www.swico.ch ou www.sens.ch.

B. Informations sur la mise au rebut à l'intention des entreprises

1. Au sein de l'Union européenne

Si ce produit est utilisé dans le cadre des activités de votre entreprise et que vous souhaitiez le mettre au rebut :
Veuillez contacter votre revendeur SHARP qui vous informera des conditions de reprise du produit. Les frais de reprise et de recyclage pourront vous être facturés. Les produits de petite taille (et en petites quantités) pourront être repris par vos organisations de collecte locales.
Espagne : veuillez contacter l'organisation de collecte existante ou votre administration locale pour les modalités de reprise de vos produits usagés.

2. Pays hors de l'Union européenne

Si vous souhaitez mettre ce produit au rebut, veuillez contacter votre administration locale qui vous renseignera sur la méthode d'élimination correcte de cet appareil.

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Information om återvinning

OBS! Produkten är märkt med symbolen ovan. Denna symbol indikerar att elektroniska produkter inte ska kastas i det vanliga hushållsavfallet eftersom det finns ett separat avfallshanteringssystem för dem.

A. Information om återvinning av elektrisk utrustning för hushåll

1. EU-länder

OBS! Kasta inte denna produkt i soporna!

Förbrukad elektrisk utrustning måste hanteras i enlighet med gällande miljölagstiftning och återvinningsföreskrifter. I enlighet med gällande EU-regler ska hushåll ha möjlighet att lämna in elektrisk utrustning till återvinningsstationer utan kostnad.* I vissa länder* kan det även hända att man gratis kan lämna in gamla produkter till återförsäljaren när man köper en ny liknande enhet.

*) Kontakta kommunen för vidare information.

Om utrustningen innehåller batterier eller ackumulatorer ska dessa först avlägsnas och hanteras separat i enlighet med gällande miljöföreskrifter.

Genom att hantera produkten i enlighet med dessa föreskrifter kommer den att tas om hand och återvinnas på tillämpligt sätt, vilket förhindrar potentiella negativa hälso- och miljöeffekter.

2. Länder utanför EU

Kontakta de lokala myndigheterna och ta reda på gällande sorterings- och återvinningsföreskrifter om du behöver göra dig av med denna produkt.

B. Information om återvinning för företag

1. EU-länder

Gör så här om produkten ska kasseras:

Kontakta SHARPs återförsäljare för information om hur man går till väga för att lämna tillbaka produkten. Det kan hända att en avgift för transport och återvinning tillkommer. Mindre skrymmande produkter (om det rör sig om ett fåtal) kan eventuellt återlämnas till lokala återvinningsstationer.

2. Länder utanför EU

Kontakta de lokala myndigheterna och ta reda på gällande sorterings- och återvinningsföreskrifter om du behöver göra dig av med denna produkt.

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Informatie over verantwoorde verwijdering

Let op: Uw product is van dit merkteken voorzien. Dit betekent dat afgedankte elektrische en elektronische apparatuur niet samen met het normale huisafval mogen worden weggegooid. Er bestaat een afzonderlijk inzamelingssysteem voor deze

A. Informatie over afvalverwijdering voor gebruikers (particuliere huishoudens)

1. In de Europese Unie

Let op: Deze apparatuur niet samen met het normale huisafval weggooien!

Afgedankte elektrische en elektronische apparatuur moet gescheiden worden ingezameld conform de wetgeving inzake de verantwoorde verwerking, terugwinning en recycling van afgedankte elektrische en elektronische apparatuur.

Na de invoering van de wet door de lidstaten mogen particuliere huishoudens in de lidstaten van de Europese Unie hun afgedankte elektrische en elektronische apparatuur kosteloos* naar hiertoe aangewezen inzamelingsinrichtingen brengen*.

In sommige landen* kunt u bij de aanschaf van een nieuw apparaat het oude product kosteloos bij uw lokale distributeur inleveren.

*) Neem contact op met de plaatselijke autoriteiten voor verdere informatie.

Als uw elektrische of elektronische apparatuur batterijen of accumulatoren bevat dan moet u deze afzonderlijk conform de plaatselijke voorschriften weggooien.

Door dit product op een verantwoorde manier weg te gooien, zorgt u ervoor dat het afval de juiste verwerking, terugwinning en recycling ondergaat en potentiële negatieve effecten op het milieu en de menselijke gezondheid worden voorkomen die anders zouden ontstaan door het verkeerd verwerken van het afval.

2. In andere landen buiten de Europese Unie

Als u dit product wilt weggooien, neem dan contact op met de plaatselijke autoriteiten voor informatie omtrent de juiste verwijderingsprocedure.

Voor Zwitserland: U kunt afgedankte elektrische en elektronische apparatuur kosteloos bij de distributeur inleveren, zelfs als u geen nieuw product koopt. Aanvullende inzamelingsinrichtingen zijn vermeld op de startpagina van www.swico.ch of www.sens.ch.

B. Informatie over afvalverwijdering voor bedrijven

1. In de Europese Unie

Als u het product voor zakelijke doeleinden heeft gebruikt en als u dit wilt weggooien:

Neem contact op met uw SHARP distributeur die u inlichtingen verschaft over de terugname van het product. Het kan zijn dat u een afvalverwijderingsbijdrage voor de terugname en recycling moet betalen. Kleine producten (en kleine hoeveelheden) kunnen door de lokale inzamelingsinrichtingen worden verwerkt.

Voor Spanje: Neem contact op met de inzamelingsinrichting of de lokale autoriteiten voor de terugname van uw afgedankte producten.

2. In andere landen buiten de Europese Unie

Als u dit product wilt weggooien, neem dan contact op met de plaatselijke autoriteiten voor informatie omtrent de juiste verwijderingsprocedure.

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Information on Proper Disposal

Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users

1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

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Información sobre la eliminación de la batería

Las baterías suministradas con este producto contienen pequeñas cantidades de Plomo.

Para EU: El contenedor de basura con ruedas tachado indica que las baterías usadas no deberían mezclarse con los residuos domésticos generales. Existe un sistema de recogida independiente de baterías usadas, para permitir un correcto tratamiento y reciclado de acuerdo con la legislación vigente. Por favor póngase en contacto con el sistema de recogida establecido o con las autoridades locales para la recogida selectiva de las baterías usadas.

Para Suiza: Las baterías usadas deben ser retornadas al punto de venta.

Para otros países fuera de la Unión Europea: Por favor póngase en contacto con las autoridades locales para un correcto procedimiento de eliminación de las baterías usadas.

Information om batteriavyttring

Batteriet som följer med denna produkt kan innehålla spår av Bly.

För EU: Batteriet är märkt med den överkorsade soptunnan vilket betyder att det inte ska kastas i det vanliga hushållsavfallet. Det finns ett separat insamlingssystem för batterier för att underlätta korrekt behandling och återvinning enligt gällande lagstiftning. Kontakta kommunen för vidare information om insamling och återvinning.

För Schweiz: Använda batterier lämnas till inköpsstället.

För länder utanför EU: Kontakta de lokala myndigheterna för information om gällande sorterings- och återvinningsföreskrifter om du behöver göra dig av med ett använt batteri.

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Informação sobre Eliminação de Pilhas

A bateria fornecida com este produto contém traços de chumbo.

Para a União Europeia: O contentor de rodas traçado significa que as baterias usadas não deverão ser colocadas junto com o lixo doméstico! Existe um sistema de separação próprio para baterias usadas, para permitir um tratamento e reciclagem própria de acordo com a legislação em vigor. Por favor contacte as autoridades locais para mais detalhes nos esquemas de recolha e reciclagem.

Para a Suíça: As baterias usadas deverão ser devolvidas ao ponto de venda.

Para os outros países fora da União Europeia: Por favor contacte a sua autoridade local para o método correcto de disposição das baterias usadas.

Information on Battery Disposal

The battery supplied with this product contains traces of Lead.

For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation. Please contact your local authority for details on the collection and recycling schemes.

For Switzerland: The used battery is to be returned to the selling point.

For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.

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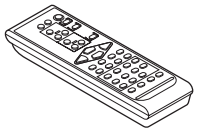
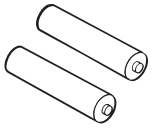
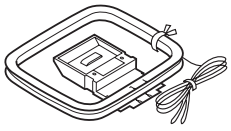
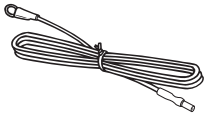
Accessories

Please confirm that the following accessories are included.

 **Remote control × 1**	 **"AA" size battery (UM/SUM-3, R6, HP-7 or similar) × 2**
 **AM loop aerial × 1**	 **FM aerial × 1**

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Precautions

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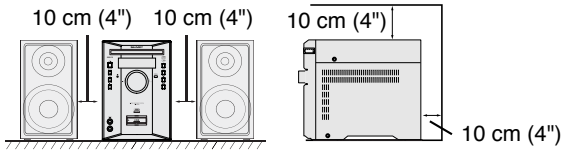
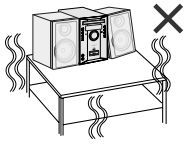
■ General

- Please ensure that the equipment is positioned in a well-ventilated area and ensure that there is at least 10 cm (4") of free space along the sides, top and back of the equipment.

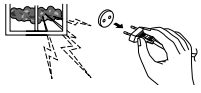


- Use the unit on a firm, level surface free from vibration.



- Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generate electrical noise.

- Do not place anything on top of the unit.
- Do not expose the unit to moisture, to temperatures higher than 60˚C (140˚F) or to extremely low temperatures.
- If your system does not work properly, disconnect the AC power lead from the wall socket. Plug the AC power lead back in, and then turn on your system.
- In case of an electrical storm, unplug the unit for safety.



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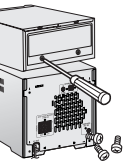

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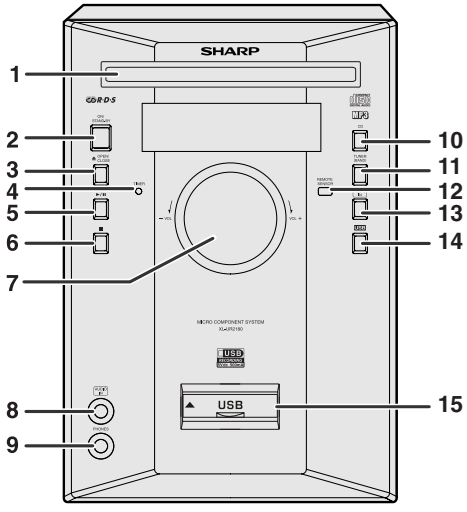
Controls and indicators



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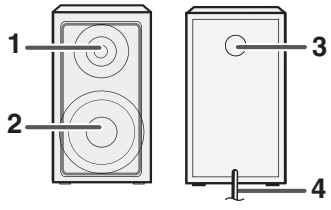
■ Speaker system

1. Tweeter
2. Woofer
3. Bass Reflex Duct
4. Speaker Wire



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27. RDS ASPM Button 26
28. RDS PTY Button 26
29. RDS Display Button 26

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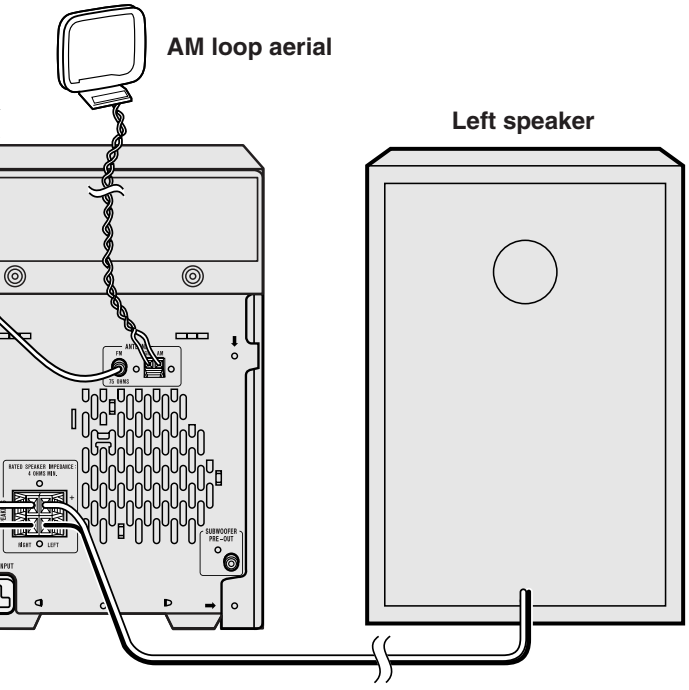
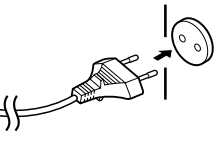
e making any connections.

ction (see page 7)





Wall socket
(AC 220 - 240 V ~ 50 Hz)

■ AC power connection (see page 8)

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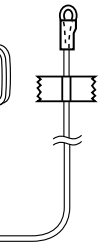

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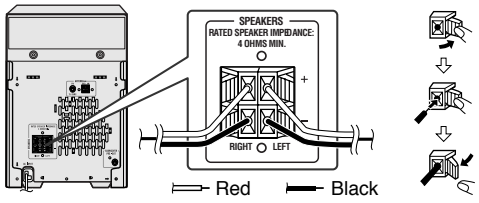
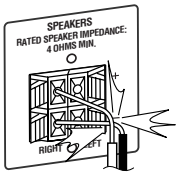
■ Speaker connection

Connect the black wire to the minus (-) terminal, and the red wire to the plus (+) terminal.



Caution:

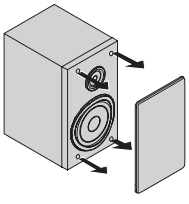
- Use speakers with an impedance of 4 ohms or more, as lower impedance speakers can damage the unit.
- Do not mistake the right and the left channels. The right speaker is the one on the right side when you face the unit.
- **Do not let the bare speaker wires touch each other.**
- Do not allow any objects to fall into or to be placed in the bass reflex ducts.
- Do not stand or sit on the speakers. You may be injured.



Incorrect

■ Speaker grilles are removable

Make sure nothing comes into contact with the speaker diaphragm when you remove the speaker grilles.



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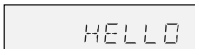
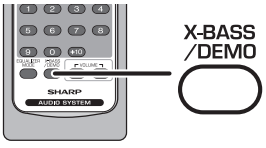
■ Demonstration mode

The first time the unit is plugged in, the unit will enter the demonstration mode. You will see words scroll.



To cancel the demonstration mode:
When the unit is in the power stand-by mode (demonstration mode), press the X-BASS/DEMO button on the remote control. The unit will enter the low power consumption mode.

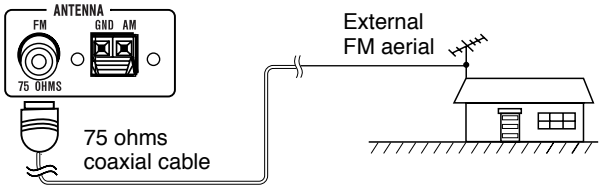


To return to the demonstration mode:
When the unit is in the power stand-by mode, press the X-BASS/DEMO button on the remote control again.

Note:
When the power is on, the X-BASS/DEMO button can be used to select the extra bass mode.

■ External FM aerial

Use an external FM aerial if you require better reception. Consult your dealer.



Note:
When an external FM aerial is used, disconnect the supplied FM aerial wire.

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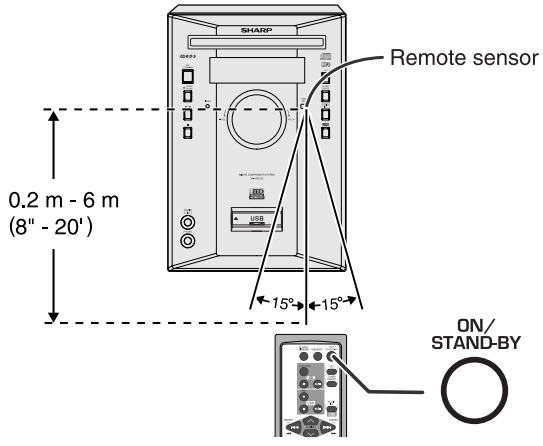
Notes concerning use:

- Replace the batteries if the operating distance is reduced or if the operation becomes erratic. Purchase 2 “AA” size batteries (UM/SUM-3, R6, HP-7 or similar).
- Periodically clean the transmitter on the remote control and the sensor on the unit with a soft cloth.
- Exposing the sensor on the unit to strong light may interfere with operation. Change the lighting or the direction of the unit if this occurs.
- Keep the remote control away from moisture, heat, shock, and vibrations.

■ Test of the remote control

Check the remote control after checking all the connections (see pages 6 - 8).
Point the remote control directly at the remote sensor on the unit.

The remote control can be used within the range shown below:
Press the ON/STAND-BY button. Does the power turn on? Now, you can enjoy the music.



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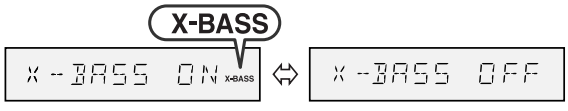
■ Volume control

Main unit operation:
When the VOLUME control is turned clockwise, the volume will increase. When it is turned anti-clockwise, the volume will decrease.

Remote control operation:
Press the VOLUME (+ or -) button to increase or decrease the volume.

■ Bass control

When the power is first turned on, the unit will enter the extra bass mode which emphasises the bass frequencies, and “X-BASS” will appear. To cancel the extra bass mode, press the X-BASS/DEMO button on the remote control.



■ Equaliser

When the EQUALIZER MODE button on the remote control is pressed, the current mode setting will be displayed. To change to a different mode, press the EQUALIZER MODE button repeatedly until the desired sound mode appears.

FLAT	Equalizer off.
ROCK	For rock music.
CLASSIC	For classical music.
POPS	For pop music.
VOCAL	Vocals are enhanced.
JAZZ	For jazz.

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Control only)

5 **Press the ⏮ or ⏭ button to adjust the hour and then press the MEMORY button.**

Press the ⏮ or ⏭ button once to advance the time by 1 hour. Hold it down to advance continuously.

6 **Press the ⏮ or ⏭ button to adjust the minutes and then press the MEMORY button.**

Press the ⏮ or ⏭ button once to advance the time by 1 minute. Hold it down to change the time in 5-minute intervals.

To confirm the time display:
[When the unit is in the stand-by mode]
Press the CLOCK/TIMER button.
The time display will appear for about 10 seconds.

[When the power is on]
Press the CLOCK/TIMER button.
Within 10 seconds, press the ⏮ or ⏭ button to display the time.
The time display will appear for about 10 seconds.

Note:
The “CLOCK” will appear or time will flash to confirm the time display when the AC power supply is restored after a power failure or unplugging the unit. If incorrect, readjust the clock as follows.

To readjust the clock:
Perform “Setting the clock” from step 1. If the “CLOCK” does not appear in step 3, step 4 (for selecting the 24-hour or 12-hour display) will be skipped.

To change the 24-hour or 12-hour display:

1 Clear all the programmed contents. [Refer to “Factory Reset, Clearing All Memory” on page 37 for details.]
2 Perform “Setting the clock” from step 1 onwards.

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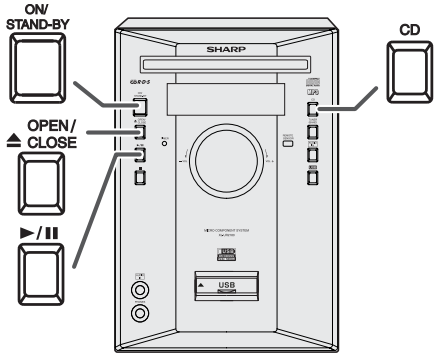

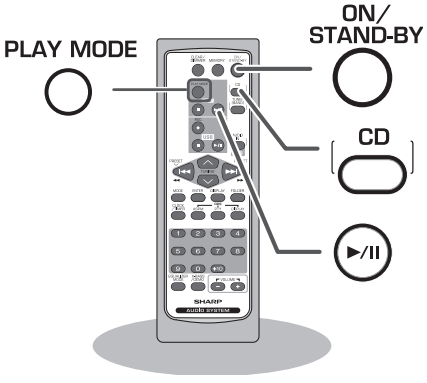

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To remove the discs:
In the stop mode, press the ⏏ OPEN/CLOSE button.

Caution:
- Do not place two discs in one disc tray.
- Do not play discs of special shapes (heart, octagon, etc). It may cause malfunctions.
- Do not push the disc tray while it is moving.
- If the power fails while the tray is open, wait until the power is restored.
- If TV or radio interference occurs during CD operation, move the unit away from the TV or radio.

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Advanced CD or MP3/WMA disc playback

■ Direct track search

By using the direct search buttons, the desired tracks on the current disc can be played.

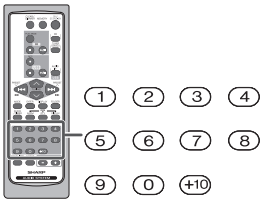
Use the direct search buttons on the remote control to select the desired track while playing the selected disc.

Selected track number

- The direct search buttons allow you to select up to number 9.
- When selecting number 10 or higher, use the "+10" button.

A. For example, to choose 13

1 Press the "+10" button once.
2 Press the "1" button.
3 Press the "3" button.



B. For example, to choose 130

1 Press the "+10" button twice.
2 Press the "1" button.
3 Press the "3" button.
4 Press the "0" button.

Notes:

- A track number higher than the number of tracks on the disc cannot be selected.
- During random play, direct search is not possible.

To stop playback:

Press the ■ (CD ■) button.

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c playback (continued)

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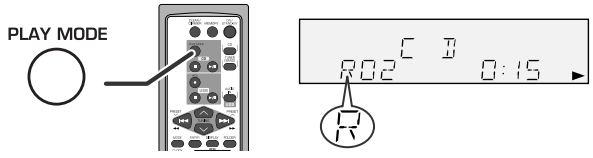
■ Random play

The tracks on the disc can be played in random order automatically.

To random play all tracks:

Press and hold down PLAY MODE button on the remote control.
Press the ► / ❚❚ button.



To cancel random play:

Press the PLAY MODE button.
"R" will disappear.

Notes:

- If you press the ▶▶I button during random play, you can move to the track selected next by the random operation. On the other hand, the I◀◀ button does not allow you to move to the previous track. The beginning of the trackbeing played will be located.
- In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks.)

Caution:

After performing repeat or random play, be sure to press the ■ (CD ■) button. Otherwise, the disc will play continuously.

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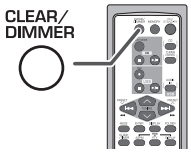
To clear the programmed selections:
Press the CLEAR/DIMMER button on the remote control while the "MEMORY" indicator is flashing.
Each time the button is pressed, one track will be cleared, beginning with the last track programmed.



To cancel the programmed play mode:
While in the stop mode and the "MEMORY" indicator is lit, press the CLEAR/DIMMER button on the remote control. The "MEMORY" indicator will disappear and all the programmed contents will be cleared.

Adding tracks to the programme:
If a programme has been previously stored, the "MEMORY" indicator will be displayed. Then follow steps 1 - 6 to add tracks. The new tracks will be stored after the last track of the previous program.

To check which tracks are programmed:
While the unit is stopped in the programmed play mode, press the ⏮ or ⏭ button.

MP3/WMA Folder programmed:
Only tracks in the same folder can be select. Select which folder to be programmed before entering program mode. (refer page 17 to select folder)

Notes:
- When a disc is ejected, the program is automatically cancelled.
- Even if you press the ON/STAND-BY button to enter the stand-by mode or change the function from CD to another, the programmed selections will not be cleared.
- During the program operation, random play is not possible.

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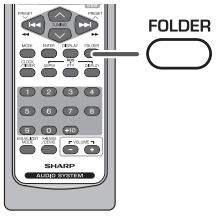
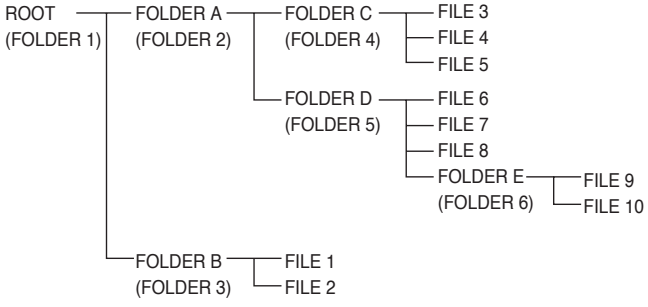


Folder mode on/off can be operated by the FOLDER button on the remote control. Files that are played when folder mode is set to the on position, may differ from those played back when folder mode is turned off.

Folder Mode Off case:
All the files starting from the selected file will be played back. If file 3 inside Folder C is selected, all the files starting from file 3 will be played back until file 10 of Folder E.

Folder Mode On case:
All the files inside the selected folder will be played back.
In case Folder D is selected, file 6, 7 and 8 will be played back. File 9 and 10 in Folder E will not be played back.



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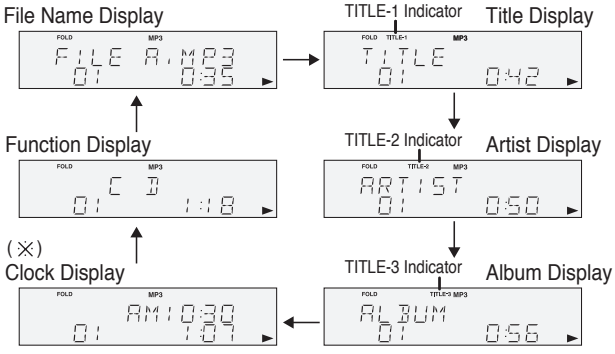
4 Press the ► / II (CD ► / II) button.
Playback will start and file name will be displayed.

- Title, Artist & Album name are displayed if they are recorded on the disc.
- Display content can be changed by pressing the DISPLAY button.



In case of playback with the folder mode on, press the TUNING (∨ or ∧) button, and the folder can be selected even though it is in playback/pause mode.
It will continue playback/pause mode in the 1st track of the selected folder.
(※) Only appears when clock is already set.

Note:

- If "NO SUPPORT" is displayed, it means "Copyright protected WMA file" or "Not supported playback file" is selected.

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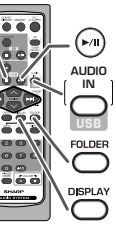

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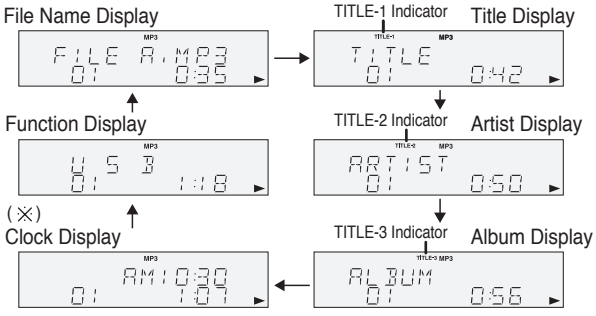
3 Press the ► / ❚❚ (USB ► / ❚❚) button.
Playback will start and the file name will be displayed.

- Title, Artist & Album name are displayed if they are recorded in the USB memory device.
- Display content can be changed by pressing the DISPLAY button.



(※) Only appears when clock is already set.

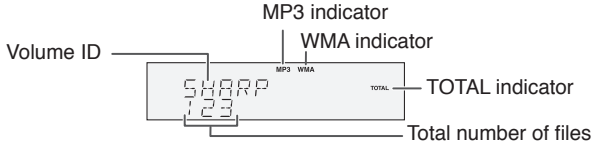
Note:
To pause playback:
Press the USB ► / ❚❚ button.

Auto power off function:
In the stop mode of USB operation, the main unit enters the stand-by mode after 15 minutes of inactivity.

■ To play back USB/MP3 Player with Folder mode on

1 Press the USB button, and push up the USB door. Connect the USB Memory device that has MP3/WMA format files on the unit.

When the USB memory is connected to the main unit, the device information will be displayed.



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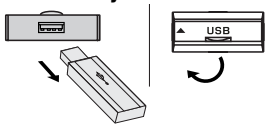
To remove USB memory device

1 Press the USB ■ button to stop playback. Then press the USB ■ button again and wait until "UNPLUG OK" is displayed.

Always remove the USB memory device after "UNPLUG OK" appears on the display. Improper removal of the USB memory device may cause irregularities such as continuous appearance of "READING FILES". Should this happen, turn off the unit and then turn it on again.

2 Disconnect USB memory device from the USB terminal.



Notes:

- SHARP will not be held liable for the loss of data whilst the USB memory device is connected to the audio system.
- Files compressed in MP3 and / or WMA format can be played back when connected to the USB terminal.
- This USB memory's format supports FAT 16 or FAT 32.
- SHARP cannot guarantee that all USB memory devices will work on this audio system.
- USB cable is not recommended for use in this audio system to connect to USB memory device. Use of the USB cable will affect the performance of this audio system.
- This USB memory cannot be operated via USB hub.
- The USB terminal in this unit is not intended for a PC connection but is used for music streaming with a USB memory device.
- External HDD-storage cannot be played back via USB terminal.
- If the data inside the USB memory is large, it may take longer time for the data to be read.
- This product can play WMA and MP3 files. It will automatically detect the file type being played. If unplayable file is played on this product, "NO SUPPORT" is indicated and the file will be automatically skipped. This will take a few seconds. If abnormal indications appear on the display due to the unspecified file, turn off the unit and then turn it on again.
- This product relates to USB mass storage devices and MP3 players.It may however face some irregularities due to various unforeseen reasons from some devices. Should this happen, turn off the unit and then turn it on again.
- The USB port is only intended for direct connection to a USB memory device without any cable.

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- For MP3/WMA files, please put ".MP3" ".WMA" extension. Files cannot be played back if there is no MP3/WMA extension.
- Playlists are not supported on this unit.
- This unit can display Folder Name or File Name up to 32 characters.
- Maximum total number of MP3/WMA files is 65280. Maximum total number of folders is 255 inclusive of root directory. Folders with non playable files are also counted.
- The display playback time may not be displayed correctly when playing back a variable bitrate file.
- Time display cannot be changed by the DISPLAY button.
- The ID3TAG information supported are TITLE, ARTIST and ALBUM only.
- Title name, artist name and album name can be displayed by pressing the DISPLAY button during file playback or pause mode.
- WMA meta tag also supports title, artist and album name which are recorded in WMA files.
- Copyright protected WMA files cannot be played back.

■ File Erase

1. At USB STOP condition, press ⏮ or ⏭ key to select the desired MP3 or WMA file to be erased.
2. Press MODE key, and the display will show "ERASE" menu.
3. Within 10 seconds press ENTER key. "ERASE?" will be displayed. To cancel file erase operation, press USB STOP key.
4. Press ENTER key again to confirm the file erase selection. "FILE ERASE" will be displayed.
5. "COMPLETE" will be displayed for a few seconds once erasing process is finished.

■ Folder Erase

1. At USB STOP condition (Folder mode on), press TUNING (∨ or ∧) key to select the desired folder to be erased.
2. Press MODE key, and the display will show "ERASE" menu.
3. Within 10 seconds press ENTER key. "ERASE?" will be displayed. To cancel folder erase operation, press USB STOP key.
4. Press ENTER key again to confirm the folder erase selection. "FOL ERASE" will be displayed.
5. "COMPLETE" will be displayed for a few seconds once erasing process is finished.

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5 **After the selected song finishes playing, the unit will stop playback and recording process automatically and "WRITING USB" will be displayed for a few seconds.**

Disc Recording (for CD) or Disc Copy (for MP3 disc)

1 **Perform steps 1 - 5 in "Listening to a CD or MP3/WMA disc" section on page 13.**

2 **Whilst in the stop mode, press the RECORD button to start USB recording.**
"REC START" will be displayed for a few seconds and recording will start after the USB device has been initialised.

3 **During disc recording, the display will show normal CD playback but during disc copy process for MP3 disc, "COPY" will be displayed.**

4 **After the last track of the disc is played, the unit will stop playback and recording process automatically, and "WRITING USB" will be displayed for a few seconds.**

Programme Recording

1 **Perform steps 1 - 6 in "Programmed play" section on page 16.**

2 **Whilst in the stop mode, press the RECORD button to start USB recording.**
"REC START" will be displayed for a few seconds and recording will start after the USB device has been initialised.

3 **During recording process, the display will show normal CD programme playback.**

4 **After the last programme track is played, the unit will stop playback and recording process automatically, and "WRITING USB" will be displayed for a few seconds.**

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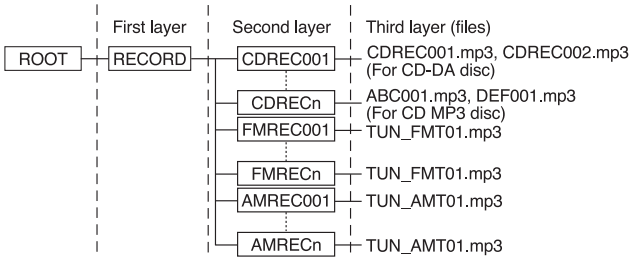
- It is not possible to display ID3 tag information during MP3 disc copy process.
- Do not POWER OFF the main unit whilst “WRITING USB” shows on the display. Wait until “WRITING USB” display disappear before turning it off.
- This system does not support WMA disc recording.
- “USB FULL” message will be displayed if USB device is set in write-protect mode or if there is insufficient free space in it.
- USB playback order is the same as MP3/WMA playback order (see page 17) and follow the recording order of the folder.

■ USB folder structure (of recorded files)

When recording files to USB memory, folders inside it will be created automatically according to the source selected.

Example:
If recording from CD to USB, the files will be saved in a folder named CDREC001. For next recording session, the next folder will be created and named CDREC002 and so on.

If the source is TUNER (FM band), folder FMREC001 will be created. For TUNER (AM band), folder AMREC001 will be created.



Maximum number of folders that can be created is 128.

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■ Tuning

1 **Press the ON/STAND-BY button to turn the power on.**

2 **Press the TUNER (BAND) button repeatedly to select the desired frequency band (FM or AM).**

3 **Press the TUNING (∨ or ∧) button on the remote control to tune in to the desired station.**

Manual tuning:

Press the TUNING (∨ or ∧) button repeatedly to the tune in to the desired station.

Auto tuning:

When the TUNING (∨ or ∧) button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

Notes:

- When radio interference occurs, auto scan tuning may stop automatically at that point.
- Auto scan tuning will skip weak signal stations.
- To stop the auto tuning, press the TUNING (∨ or ∧) button again.
- When an RDS (Radio Data System) station is tuned in, the frequency will be displayed first, and then the RDS indicator will light up. Finally, the station name will appear.
- Full auto tuning can be achieved for RDS stations “ASPM”, see page 27.

To receive an FM stereo transmission:

Press the TUNER (BAND) button to select stereo mode and “ST” indicator will be displayed.

- “ST” will appear when an FM broadcast is in stereo.
- If the FM reception is weak, press the TUNER (BAND) button to extinguish the “ST” indicator. The reception changes to monaural, and the sound becomes clearer.

FM stereo mode indicator

FM stereo receiving indicator

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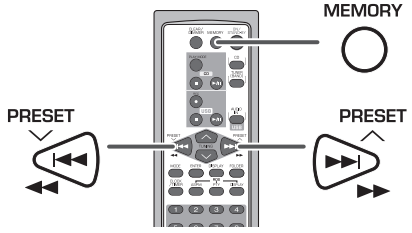
■ To recall a memorised station

Press the PRESET (∧ or ∨) button for less than 0.5 seconds to select the desired station.

■ To scan the preset stations

The stations saved in the memory can be scanned automatically. (Preset memory scan)

1 Press the PRESET (∧ or ∨) button for more than 0.5 seconds. The preset number will flash and the programmed stations will be tuned in sequentially, for 5 seconds each.
2 Press the PRESET (∧ or ∨) button again when the desired station is located.



■ To erase entire preset memory

1 Press the ON/STAND-BY button to enter the stand-by mode.
2 Whilst pressing down the ■ button, press the TUNER (BAND) button until “TUNER CLEAR” appears.

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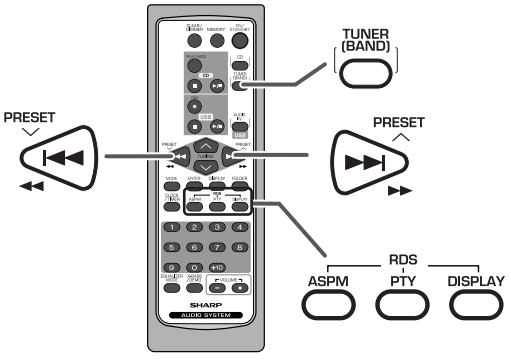
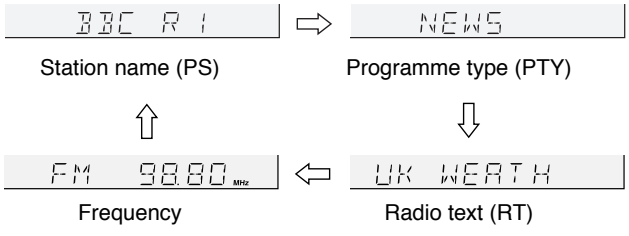
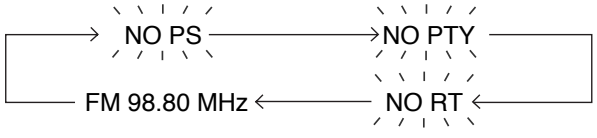
■ Information provided by RDS

Each time the RDS DISPLAY button is pressed, the display will switch as follows:





When tuning in to a station other than an RDS station or to an RDS station which sends weak signal, the display will change in the following order:



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RDS) (continued)

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To stop the ASPM operation before it is completed:
Press the RDS ASPM button whilst it is scanning for stations.
The stations which are already stored in memory will be kept there.

Notes:
- If the same station is broadcasting on different frequencies, the strongest frequency will be stored in the memory.
- Any station which has the same frequency as the one stored in the memory will not be stored.
- If 40 stations have already been stored in the memory, scanning will be aborted. If you want to redo the ASPM operation, erase the preset memory.
- If no stations have been stored in the memory, “END” will appear for about 4 seconds.
- If the RDS signals are very weak, station names may not be stored in the memory.

To erase all of the contents of preset memory:

1 Press the ON/STAND-BY button to enter the power stand-by mode.
2 Whilst pressing down the ■ button, press the TUNER (BAND) button until “TUNER CLEAR” appears.
- After performing this operation, all of the preset memory information will be erased.

To store a station name again if the wrong name was stored in memory:
It may be impossible to store station names in the memory using the ASPM function if there is lots of noise or if the signal is too weak. In this case, perform as follows.

1 Press the PRESET (∧ or ∨) button to check whether the names are correct.
2 If you find a wrong name during receiving the station, wait until the correct name will be displayed. And then press the MEMORY button.
3 Within 30 seconds, press the MEMORY button whilst the preset channel number is flashing.
- The new station name has been stored in memory correctly.

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■ To recall stations in memory

To specify programmed types and select stations (PTY search):
You can search a station by specifying the programme type (news, sports, traffic programme, etc. ... see pages 29 - 30) from the stations in the memory.

1 **Press the TUNER (BAND) button to select the FM.**

2 **Press the RDS PTY button on the remote control.**

"SELECT" and "PTY TI" will appear alternately for about 6 seconds.

3 **Within 6 seconds, press the PRESET (∧ or ∨) button to select the programme type.**

Each time the button is pressed, the programme type will appear. If the button is held down for more than 0.5 seconds, the programme type will appear continuously.

4 **Whilst the selected programme type is flashing (within 6 seconds), press the RDS PTY button again.**

After the selected programme type has been lit for 2 seconds, "SEARCH" will appear, and the search operation will start.

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RDS) (continued)

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Descriptions of the PTY (Programme Type) codes, TP (Traffic Programme) and TA (Traffic Announcement).
You can search for and receive the following PTY, TP and TA signals.

NEWS	Short accounts of facts, events and publicly expressed views, reportage and actuality.
AFFAIRS	Topical programme expanding or enlarging upon the news, generally in different presentation style or concept, including debate, or analysis.
INFO	Programmes whose purpose is to impart advice in the widest sense.
SPORT	Programme concerned with any aspect of sport.
EDUCATE	Programme intended primarily to educate, of which the formal element is fundamental.
DRAMA	All radio plays and serials.
CULTURE	Programmes concerned with any aspect of national or regional culture, including language, theatre, etc.
SCIENCE	Programmes about the natural sciences and technology.
VARIED	Used for mainly speech-based programmes usually of light-entertainment nature, not covered by other categories. Examples include: quizzes, panel games, personality interviews.
POP M	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
ROCK M	Contemporary modern music, usually written and performed by young musicians.
EASY M	Current contemporary music considered to be "easy-listening", as opposed to Pop, Rock or Classical, or one of the specialised music styles, Jazz, Folk or Country. Music in this category is often but not always, vocal, and usually of short duration.

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COUNTRY	Songs which originate from, or continue the musical tradition of the American Southern States. Characterised by a straightforward melody and narrative story line.
NATION M	Current Popular Music of the Nation or Region in that country's language, as opposed to International “Pop” which is usually US or UK inspired and in English.
OLDIES	Music from the so-called “golden age” of popular music.
FOLK M	Music which has its roots in the musical culture of a particular nation, usually played on acoustic instruments. The narrative or story may be based on historical events or people.
DOCUMENT	Programme concerned with factual matters, presented in an investigative style.
TEST	Broadcast when testing emergency broadcast equipment or receivers.
ALARM !	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature.
NONE	No programme type (receive only).
TP	Broadcasts which carry traffic announcements.
TA	Traffic announcements are being broadcast.

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(Remote Control only)

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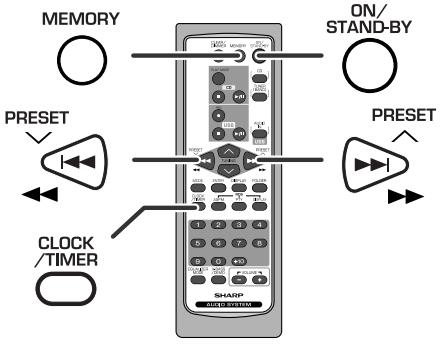

■ Timer playback or timer recording

Before setting timer:

1 Check that the clock is set to the correct time (refer to page 11).
If it is not set, you cannot use the timer function.
2 For timer playback: Plug in USB or load discs to be played.
For timer recording: Plug in USB for recording in the USB terminal.

⇩

1 Press the ON/STAND-BY button to turn the power on.

2 Press the CLOCK/TIMER button.

3 Within 10 seconds, press the ⏮ or ⏭ button to select "ONCE" or "DAILY", and press the MEMORY button.

ONCE ⇔ DAILY

Set the clock to the correct time if "ONCE" or "DAILY" does not appear.

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9 **Switch input with the ⏮ or ⏭ button, and then press the MEMORY button.**

To select the timer playback source: CD, TUNER, USB or AUDIO IN.

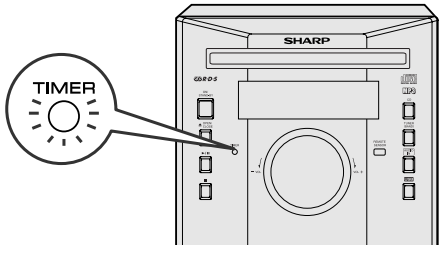
- This operation will be skipped for timer recording.
- When you select the tuner, select a station by pressing the ⏮ or ⏭ button, and then press the MEMORY button.
- If a station has not been programmed, “NO PRESET” will be displayed and timer setting will be cancelled.

10 **Adjust the volume using the VOLUME control, and then press the MEMORY button.**

Do not turn the volume up too high.

11 **Press the ON/STAND-BY button to enter the power stand-by mode.**

The “TIMER” indicator lights up and the unit is ready for timer playback.



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Checking the timer setting in the timer stand-by mode:

1 Press the CLOCK/TIMER button.
2 Within 10 seconds, press the I◀◀ or ▶▶I button to select "ONCE" or "DAILY", and press the MEMORY button.
3 Within 10 seconds, press the I◀◀ or ▶▶I button to select "ONCE CALL" or "DAILY CALL", and press the MEMORY button.
The unit returns to the timer stand-by mode after displaying the settings in order.

Cancelling the timer setting in the timer stand-by mode:

1 Press the CLOCK/TIMER button.
2 Within 10 seconds, press the I◀◀ or ▶▶I button to select "ONCE" or "DAILY", and press the MEMORY button.
3 Within 10 seconds, press the I◀◀ or ▶▶I button to select "ONCE OFF" or "DAILY OFF", and press the MEMORY button.
Timer will be cancelled (the setting will not be cancelled).

Reusing the memorised timer setting:

The timer setting will be memorised once it is entered. To reuse the same setting, perform the following operations.

1 Turn the power on and press the CLOCK/TIMER button.
2 Within 10 seconds, press the I◀◀ or ▶▶I button to select "ONCE" or "DAILY", and press the MEMORY button.
3 Within 10 seconds, press the I◀◀ or ▶▶I button to select "ONCE ON" or "DAILY ON", and press the MEMORY button.
4 Press the ON/STAND-BY button to enter the power stand-by mode.

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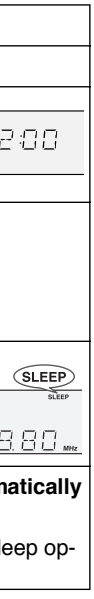

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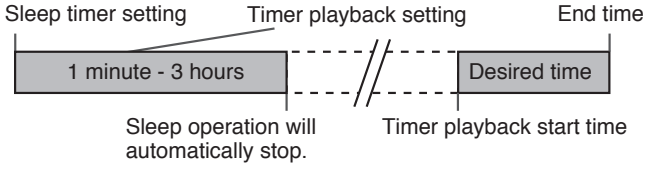
To cancel the sleep operation:
Press the ON/STAND-BY button whilst "SLEEP" is indicated.
To cancel the sleep operation without setting the unit to the stand-by mode, proceed as follows.

1 Whilst "SLEEP" is indicated, press the CLOCK/TIMER button.
2 Within 10 seconds, press the I◄◄ or ►►I button to select "SLEEP OFF", and press the MEMORY button.

■ To use timer and sleep operation together

Sleep and timer playback:
For example, you can fall asleep listening to the radio and wake up to CD in the next morning.

1 Set the sleep time (see left, steps 1 - 5).
2 Whilst the sleep timer is set, set the timer playback (steps 2 - 10, pages 31 - 32).



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■ Listening to the playback sounds of Portable Audio Player, etc.

1 Use a connection lead to connect the Portable Audio Player etc. to the AUDIO IN socket.

When using video equipment, connect the audio output to this unit and the video output to a television.

2 Press the ON/STAND-BY button to turn the power on.

3 Press the AUDIO IN button.

4 Play the connected equipment.

If volume level of the connected device is too high, sound distortion may occur. Should this happen, lower the volume of the connected device.
If volume level is too low, increase the volume of the connected device.

Note:
To prevent noise interference, place the unit away from the television.

■ Headphones

- Do not turn the volume on to full at switch on and listen to music at moderate levels. Excessive sound pressure from earphones and headphones can cause hearing loss.
- Before plugging in or unplugging the headphones, reduce the volume.
- Be sure your headphones have a 3.5 mm (1/8") diameter plug and impedance between 16 and 50 ohms. The recommended impedance is 32 ohms.
- Plugging in the headphones disconnects the speakers automatically. Adjust the volume using the VOLUME control.

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Troubleshooting chart

Many potential problems can be resolved by the owner without calling a service technician.
If something is wrong with this product, check the following before calling your authorised SHARP dealer or service centre.

■ General

Symptom	Possible cause
● The clock is not set to the correct time.	● Did a power failure occur? Reset the clock. (Refer page 11)
● When a button is pressed, the unit does not respond.	● Set the unit to the power stand-by mode and then turn it back on. ● If the unit still malfunctions, reset it. (Refer page 37)
● No sound is heard.	● Is the volume level set to “0”? ● Are the headphones connected? ● Are the speaker wires disconnected?

■ CD player

Symptom	Possible cause
● Playback does not start. ● Playback stops in the middle or is not performed properly.	● Is the disc loaded upside down? ● Does the disc satisfy the standards? ● Is the disc distorted or scratched?
● Playback sounds are skipped, or stopped in the middle of a track.	● Is the unit located near excessive vibrations? ● Is the disc very dirty? ● Has condensation formed inside the unit?

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■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, etc.) or on the transmitter on the remote control.
Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.

■ If problem occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such problem occurs, do the following:

1 Set the unit to the stand-by mode and turn the power on again.
2 If the unit is not restored in the previous operation, unplug and plug in the unit again, and then turn the power on.

Note:
If neither operation above restores the unit, clear all the memory by resetting it.

■ Factory Reset, Clearing All Memory

1 Press the ON/STAND-BY button to enter the power stand-by mode.
2 Whilst pressing down the ■ button, press the CD button until “CLEAR ALL” appears.

Caution:
This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD programme.

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Maintenance

■ Cleaning the cabinet

Periodically wipe the cabinet with a soft cloth and a diluted soap solution, then with a dry cloth.

Caution:

- Do not use chemicals for cleaning (petrol, paint thinner, etc.). It may damage the cabinet finish.
- Do not apply oil to the inside of the unit. It may cause malfunctions.

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■ Amplifier (XL-UR2180H)

Output power	PMPO: 128 W MPO: 64 W (32 W + 32 W) (10% T.H.D.) RMS: 64 W (32 W + 32 W) (10% T.H.D.) RMS: 40 W (20 W + 20 W) (1% T.H.D.)
Output terminals	Speakers: 4 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Subwoofer pre-out (audio signal): 150 mV/10 k ohms at 70 Hz
Input terminals	Audio In (audio signal): 250 mV/47 k ohms

■ Amplifier (XL-UR2380H)

Output power	PMPO: 240 W MPO: 120 W (60 W + 60 W) (10% T.H.D.) RMS: 120 W (60 W + 60 W) (10% T.H.D.) RMS: 72 W (36 W + 36 W) (1% T.H.D.)
Output terminals	Speakers: 4 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Subwoofer pre-out (audio signal): 150 mV/10 k ohms at 70 Hz
Input terminals	Audio In (audio signal): 250 mV/47 k ohms

■ Amplifier (XL-UR2580H)

Output power	PMPO: 320 W MPO: 160 W (80 W + 80 W) (10% T.H.D.) RMS: 160 W (80 W + 80 W) (10% T.H.D.) RMS: 100 W (50 W + 50 W) (1% T.H.D.)
Output terminals	Speakers: 4 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Subwoofer pre-out (audio signal): 150 mV/10 k ohms at 70 Hz
Input terminals	Audio In (audio signal): 250 mV/47 k ohms

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■ USB

USB host interface	● Complies with USB 1.1 (Full Speed)/ 2.0 Mass-Storage-Class. ● Supports Bulk only and CBI protocol.
Support file	● MPEG 1 Layer 3 ● WMA (Non DRM)
Bitrate support	● MP3 (32 ~ 320 kbps) ●WMA (64 ~ 160 kbps)
Other	● Maximum total number of MP3/WMA files is 65280. ● Maximum total number of folders is 255 INCLUSIVE of root directory. (Folders with non playable files are also counted.) ● The ID3TAG information supported are TITLE, ARTIST and ALBUM only. ● Supports ID3TAG version 1 and version 2. ● Maximum number of folders that can be recorded is 128. ● Maximum number of files in a folder that can be recorded is 128.
File system support	● Supports USB devices with Microsoft Windows/DOS/FAT 12/ FAT16/ FAT 32. ● 2 kbyte block length for sector.

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■ Speaker (XL-UR2580H)

Type	2-way type speaker system 5 cm (2") tweeter 12 cm (4-3/4") woofer
Maximum input power	160 W
Rated input power	80 W
Impedance	4 ohms
Dimensions	Width: 148 mm (5-13/16") Height: 260 mm (10-1/4") Depth: 198.5 mm (7-13/16")
Weight	2.45 kg (5.40 lbs.)/each

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